

## EAST Search History

| Ref # | Hits | Search Query                   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--------------------------------|---|------------------|---------|------------------|
| L1    | 2    | "alanine dodecylamide"         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/10/04 11:37 |
| L2    | 2    | L1                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/10/04 11:37 |
| L3    | 9    | "D-serine transport inhibitor" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/10/04 11:37 |
| L4    | 9    | L3                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/10/04 11:37 |

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1617SXX

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

|              |    |         |   |
|--------------|----|---------|---|
| NEWS         | 1  |         | Web Page URLs for STN Seminar Schedule - N. America   |
| NEWS         | 2  |         | "Ask CAS" for self-help around the clock  |
| NEWS         | 3  | FEB 27  | New STN AnaVist pricing effective March 1, 2006   |
| NEWS         | 4  | MAY 10  | CA/CAPLUS enhanced with 1900-1906 U.S. patent records   |
| NEWS         | 5  | MAY 11  | KOREAPAT updates resume   |
| NEWS         | 6  | MAY 19  | Derwent World Patents Index to be reloaded and enhanced   |
| NEWS         | 7  | MAY 30  | IPC 8 Rolled-up Core codes added to CA/CAPLUS and<br>USPATFULL/USPAT2   |
| NEWS         | 8  | MAY 30  | The F-Term thesaurus is now available in CA/CAPLUS  |
| NEWS         | 9  | JUN 02  | The first reclassification of IPC codes now complete in<br>INPADOC  |
| NEWS         | 10 | JUN 26  | TULSA/TULSA2 reloaded and enhanced with new search and<br>and display fields  |
| NEWS         | 11 | JUN 28  | Price changes in full-text patent databases EPFULL and PCTFULL  |
| NEWS         | 12 | JUL 11  | CHEMSAFE reloaded and enhanced  |
| NEWS         | 13 | JUL 14  | FSTA enhanced with Japanese patents   |
| NEWS         | 14 | JUL 19  | Coverage of Research Disclosure reinstated in DWPI  |
| NEWS         | 15 | AUG 09  | INSPEC enhanced with 1898-1968 archive  |
| NEWS         | 16 | AUG 28  | ADISCTI Reloaded and Enhanced   |
| NEWS         | 17 | AUG 30  | CA(SM)/CAPLUS(SM) Austrian patent law changes   |
| NEWS         | 18 | SEP 11  | CA/CAPLUS enhanced with more pre-1907 records   |
| NEWS         | 19 | SEP 21  | CA/CAPLUS fields enhanced with simultaneous left and right<br>truncation  |
| NEWS         | 20 | SEP 25  | CA(SM)/CAPLUS(SM) display of CA Lexicon enhanced  |
| NEWS         | 21 | SEP 25  | CAS REGISTRY(SM) no longer includes Concord 3D coordinates  |
| NEWS         | 22 | SEP 25  | CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine  |
| NEWS         | 23 | SEP 28  | CEABA-VTB classification code fields reloaded with new<br>classification scheme   |
| NEWS EXPRESS |    | JUNE 30 | CURRENT WINDOWS VERSION IS V8.01b, CURRENT<br>MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),<br>AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006. |
| NEWS HOURS   |    |         | STN Operating Hours Plus Help Desk Availability   |
| NEWS LOGIN   |    |         | Welcome Banner and News Items   |
| NEWS IPC8    |    |         | For general information regarding STN implementation of IPC 8   |
| NEWS X25     |    |         | X.25 communication option no longer available   |

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:41:47 ON 04 OCT 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 11:42:22 ON 04 OCT 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 OCT 2006 HIGHEST RN 909488-17-1

DICTIONARY FILE UPDATES: 3 OCT 2006 HIGHEST RN 909488-17-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s D-alanine dodecylamide

8276457 D

321672 ALANINE

1 ALANINES

321672 ALANINE

(ALANINE OR ALANINES)

36 DODECYLAMIDE

L1 0 D-ALANINE DODECYLAMIDE

(D(W)ALANINE(W)DODECYLAMIDE)

=> s D-alanine dodecylamide/cn

L2 0 D-ALANINE DODECYLAMIDE/CN

=> s alanine dodecylamide/cn

L3 0 ALANINE DODECYLAMIDE/CN

=> s 477243-32-6

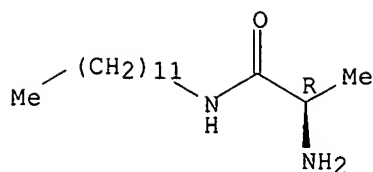
L4 1 477243-32-6

(477243-32-6/RN)

=> d str cn L4

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

CN Propanamide, 2-amino-N-dodecyl-, (2R)- (9CI) (CA INDEX NAME)

=> s dodecyl and alanine

127298 DODECYL  
1 DODECYLS  
127298 DODECYL  
(DODECYL OR DODECYLS)  
321672 ALANINE  
1 ALANINES  
321672 ALANINE  
(ALANINE OR ALANINES)

L5 1390 DODECYL AND ALANINE

=> s L5 and amide

4190073 AMIDE  
1064 AMIDES  
4190073 AMIDE  
(AMIDE OR AMIDES)

L6 14 L5 AND AMIDE

=> dup rem L6

DUPLICATE IS NOT AVAILABLE IN 'REGISTRY'.  
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING COMPLETED FOR L6

L7 14 DUP REM L6 (0 DUPLICATES REMOVED)

=> d 1-5 str rn cn

L7 ANSWER 1 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

RN 688004-76-4 REGISTRY

CN β-Alanine, N-dodecyl-, monosodium salt, mixt. with  
N-(hydroxyethyl) coco amides and α-sulfo-ω-  
(tridecyloxy)poly(oxy-1,2-ethanediyl) sodium salt (9CI) (CA INDEX  
NAME)

OTHER NAMES:

CN Miracare SLB 365

L7 ANSWER 2 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN

RN 336627-59-9 REGISTRY

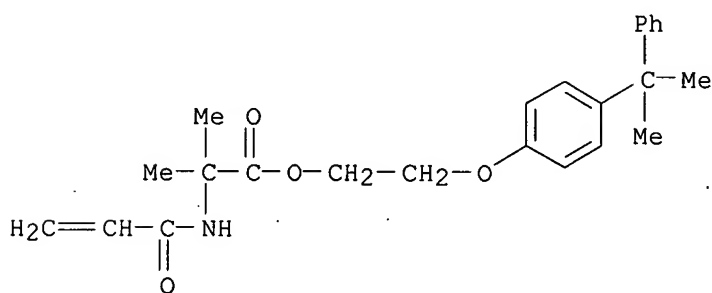
CN Alanine, 2-methyl-N-(1-oxo-2-propenyl)-, 2-[4-(1-methyl-1-  
phenylethyl)phenoxy]ethyl ester, polymer with dodecyl 2-propenoate,  
1,6-hexanediyl di-2-propenoate, N-octyl-2-propenamide and  
rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate  
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

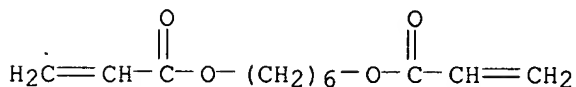
CN 2-Propenamide, N-octyl-, polymer with dodecyl 2-propenoate,  
1,6-hexanediyl di-2-propenoate, 2-methyl-N-(1-oxo-2-propenyl)alanine  
2-[4-(1-methyl-1-phenylethyl)phenoxy]ethyl ester and rel-(1R,2R,4R)-1,7,7-  
trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI)  
CN 2-Propenoic acid, (1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl

- ester, rel-, polymer with dodecyl 2-propenoate, 1,6-hexanediyl di-2-propenoate, 2-methyl-N-(1-oxo-2-propenyl)alanine 2-[4-(1-methyl-1-phenylethyl)phenoxy]ethyl ester and N-octyl-2-propenamide (9CI)
- CN 2-Propenoic acid, 1,6-hexanediyl ester, polymer with dodecyl 2-propenoate, 2-methyl-N-(1-oxo-2-propenyl)alanine 2-[4-(1-methyl-1-phenylethyl)phenoxy]ethyl ester, N-octyl-2-propenamide and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI)
- CN 2-Propenoic acid, dodecyl ester, polymer with 1,6-hexanediyl di-2-propenoate, 2-methyl-N-(1-oxo-2-propenyl)alanine 2-[4-(1-methyl-1-phenylethyl)phenoxy]ethyl ester, N-octyl-2-propenamide and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI)

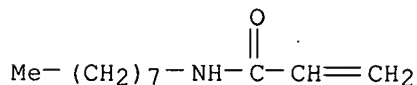
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CM 2

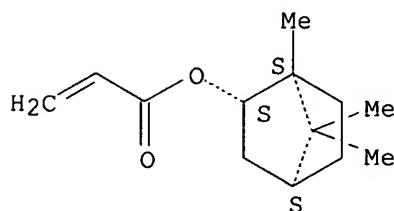


CM 3

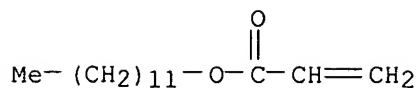


CM 4

Relative stereochemistry.



CM 5



L7 ANSWER 3 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN

RN 336627-58-8 REGISTRY

CN Alanine, 2-methyl-N-(1-oxo-2-propenyl)-, 2-[4-(1-methyl-1-phenylethyl)phenoxy]ethyl ester, polymer with dodecyl 2-propenoate, isooctyl 2-propenoate, N-octyl-2-propenamide and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

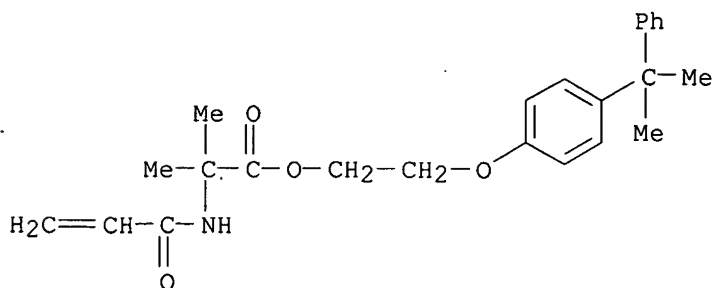
CN 2-Propenamide, N-octyl-, polymer with dodecyl 2-propenoate, isooctyl 2-propenoate, 2-methyl-N-(1-oxo-2-propenyl)alanine 2-[4-(1-methyl-1-phenylethyl)phenoxy]ethyl ester and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI)

CN 2-Propenoic acid, (1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, rel-, polymer with dodecyl 2-propenoate, isooctyl 2-propenoate, 2-methyl-N-(1-oxo-2-propenyl)alanine 2-[4-(1-methyl-1-phenylethyl)phenoxy]ethyl ester and N-octyl-2-propenamide (9CI)

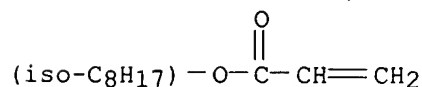
CN 2-Propenoic acid, dodecyl ester, polymer with isooctyl 2-propenoate, 2-methyl-N-(1-oxo-2-propenyl)alanine 2-[4-(1-methyl-1-phenylethyl)phenoxy]ethyl ester, N-octyl-2-propenamide and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI)

CN 2-Propenoic acid, isooctyl ester, polymer with dodecyl 2-propenoate, 2-methyl-N-(1-oxo-2-propenyl)alanine 2-[4-(1-methyl-1-phenylethyl)phenoxy]ethyl ester, N-octyl-2-propenamide and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI)

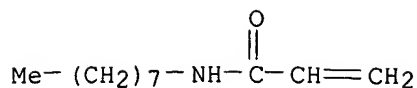
CM 1



CM 2

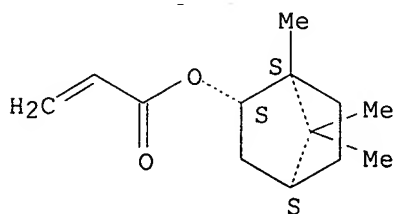


CM 3

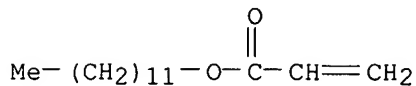


CM 4

Relative stereochemistry.



CM 5



L7 ANSWER 4 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN

RN 336627-55-5 REGISTRY

CN Alanine, 2-methyl-N-(1-oxo-2-propenyl)-, 2-[4-(1-methyl-1-phenylethyl)phenoxy]ethyl ester, polymer with dodecyl 2-propenoate, N-octyl-2-propenamide and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI) (CA INDEX NAME)

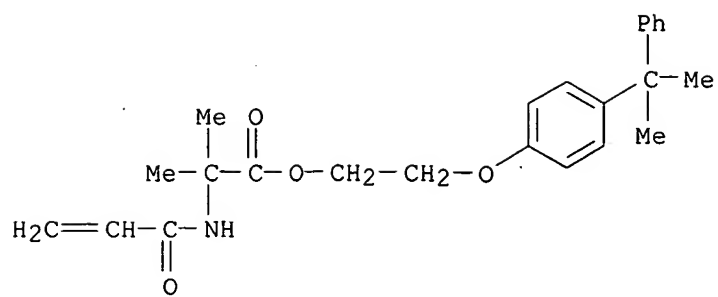
OTHER CA INDEX NAMES:

CN 2-Propenamide, N-octyl-, polymer with dodecyl 2-propenoate, 2-methyl-N-(1-oxo-2-propenyl)alanine 2-[4-(1-methyl-1-phenylethyl)phenoxy]ethyl ester and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI)

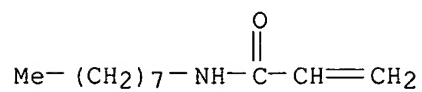
CN 2-Propenoic acid, (1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, rel-, polymer with dodecyl 2-propenoate, 2-methyl-N-(1-oxo-2-propenyl)alanine 2-[4-(1-methyl-1-phenylethyl)phenoxy]ethyl ester and N-octyl-2-propenamide (9CI)

CN 2-Propenoic acid, dodecyl ester, polymer with 2-methyl-N-(1-oxo-2-propenyl)alanine 2-[4-(1-methyl-1-phenylethyl)phenoxy]ethyl ester, N-octyl-2-propenamide and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-propenoate (9CI)

CM 1

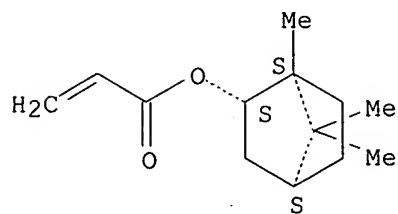


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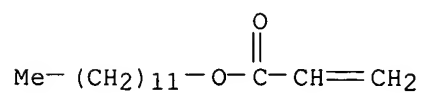


CM 3

Relative stereochemistry.

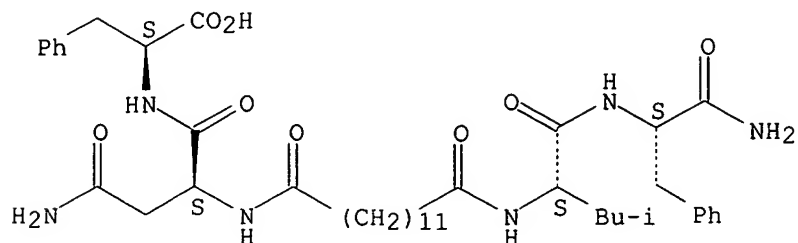


CM 4



L7 ANSWER 5 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN

Absolute stereochemistry.





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

RN 300585-85-7 REGISTRY  
CN L-Phenylalanine, N2-(12-carboxy-1-oxododecyl)-L-asparaginy-,  
(1→1')-amide with L-leucyl-L-phenylalaninamide (9CI) (CA  
INDEX NAME)

=> d 5-14 cn rn ibib

L7 ANSWER 5 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN  
CN L-Phenylalanine, N2-(12-carboxy-1-oxododecyl)-L-asparaginy-,  
(1→1')-amide with L-leucyl-L-phenylalaninamide (9CI) (CA  
INDEX NAME)  
RN 300585-85-7 REGISTRY

REFERENCE 1

ACCESSION NUMBER: 133:275856 CA  
TITLE: Small-molecule inhibitors of HIV-1 protease  
dimerization derived from cross-linked interfacial  
peptides  
AUTHOR(S): Shultz, Michael D.; Bowman, Michael J.; Ham,  
Young-Wan; Zhao, Xuimin; Tora, George; Chmielewski,  
Jean  
CORPORATE SOURCE: Department of Chemistry, Purdue University, West  
Lafayette, IN, 47907, USA  
SOURCE: Angewandte Chemie, International Edition (2000),  
39(15), 2710-2713  
CODEN: ACIEF5; ISSN: 1433-7851  
PUBLISHER: Wiley-VCH Verlag GmbH  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN  
CN L-Phenylalaninamide, N-(12-carboxy-1-oxododecyl)-L-threonyl-L-leucyl-  
, (1→1')-amide with L-asparaginy-L-phenylalanine (9CI) (CA  
INDEX NAME)  
RN 300585-80-2 REGISTRY

REFERENCE 1

ACCESSION NUMBER: 133:275856 CA  
TITLE: Small-molecule inhibitors of HIV-1 protease  
dimerization derived from cross-linked interfacial  
peptides  
AUTHOR(S): Shultz, Michael D.; Bowman, Michael J.; Ham,  
Young-Wan; Zhao, Xuimin; Tora, George; Chmielewski,  
Jean  
CORPORATE SOURCE: Department of Chemistry, Purdue University, West  
Lafayette, IN, 47907, USA  
SOURCE: Angewandte Chemie, International Edition (2000),  
39(15), 2710-2713  
CODEN: ACIEF5; ISSN: 1433-7851  
PUBLISHER: Wiley-VCH Verlag GmbH  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 7 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN

CN 7-36-Glucagon-like peptide I (human), 8-(2-methylalanine)-26-L-  
 arginine-34-[N6-[(4-dodecyl-1-piperazinyl)acetyl]-L-lysine]-35-(2-  
 methylalanine)-36-L-argininamide- (9CI) (CA INDEX NAME)  
 RN 275823-11-5 REGISTRY

REFERENCE 1

ACCESSION NUMBER: 133:43815 CA  
 TITLE: Preparation of glucagon-like peptide-1 (GLP-1) analogs  
 INVENTOR(S): Dong, Zheng Xin  
 PATENT ASSIGNEE(S): Societe de Conseils de Recherches et d'Applications  
 Scientifiques S.A., Fr.  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO.    | DATE     |
|---|------|----------|--------------------|----------|
| WO 2000034331   | A2   | 20000615 | WO 1999-EP9660     | 19991207 |
| WO 2000034331   | A3   | 20001116 |                    |          |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW |      |          |                    |          |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                    |          |
| CA 2353574  | AA   | 20000615 | CA 1999-2353574    | 19991207 |
| BR 9915961  | A    | 20010821 | BR 1999-15961      | 19991207 |
| EP 1137667  | A2   | 20011004 | EP 1999-963437     | 19991207 |
| EP 1137667  | B1   | 20041117 |                    |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI   |      |          |                    |          |
| JP 2002531578   | T2   | 20020924 | JP 2000-586773     | 19991207 |
| JP 3702181  | B2   | 20051005 |                    |          |
| AU 762012   | B2   | 20030619 | AU 2000-19736      | 19991207 |
| RU 2214418  | C2   | 20031020 | RU 2001-118855     | 19991207 |
| EP 1359159  | A2   | 20031105 | EP 2003-76490      | 19991207 |
| EP 1359159  | A3   | 20040721 |                    |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY   |      |          |                    |          |
| NZ 511931   | A    | 20040130 | NZ 1999-511931     | 19991207 |
| ZA 200304047  | A    | 20040203 | ZA 2003-4047       | 19991207 |
| CN 1495198  | A    | 20040512 | CN 2003-2003136712 | 19991207 |
| CZ 294029   | B6   | 20040915 | CZ 2001-1748       | 19991207 |
| AT 282635   | E    | 20041215 | AT 1999-963437     | 19991207 |
| NZ 527241   | A    | 20041224 | NZ 1999-527241     | 19991207 |
| PT 1137667  | T    | 20050228 | PT 1999-963437     | 19991207 |
| ES 2230912  | T3   | 20050501 | ES 1999-963437     | 19991207 |
| CZ 295044   | B6   | 20050518 | CZ 2003-1289       | 19991207 |
| PL 189664   | B1   | 20050930 | PL 1999-362031     | 19991207 |
| CZ 295768   | B6   | 20051012 | CZ 2004-573        | 19991207 |
| CZ 295889   | B6   | 20051116 | CZ 2004-572        | 19991207 |
| CZ 295890   | B6   | 20051116 | CZ 2004-591        | 19991207 |
| CZ 295891   | B6   | 20051116 | CZ 2004-592        | 19991207 |
| TW 593338   | B    | 20040621 | TW 1999-88121401   | 20000306 |
| ZA 2001004478   | A    | 20031201 | ZA 2001-4478       | 20010531 |
| NO 2001002786   | A    | 20010720 | NO 2001-2786       | 20010606 |
| US 6903186  | B1   | 20050607 | US 2001-857636     | 20011102 |
| HK 1037196  | A1   | 20050324 | HK 2001-107772     | 20011106 |

NO 2003002093 A 20010720  
 US 2004018981 A1 20040129  
 JP 2004131473 A2 20040430  
 JP 2005132845 A2 20050526  
 US 2005233969 A1 20051020  
 AU 2005203169 A1 20050811  
 JP 2006151988 A2 20060615

PRIORITY APPLN. INFO.:

NO 2003-2093 20030509  
 US 2003-629261 20030728  
 JP 2003-283316 20030731  
 JP 2004-363831 20041216  
 US 2005-145782 20050606  
 AU 2005-203169 20050721  
 JP 2005-374822 20051227  
 US 1998-111255P 19981207  
 US 1998-206601 19981207  
 EP 1999-963437 19991207  
 JP 2000-586773 19991207  
 WO 1999-EP9660 19991207  
 US 2001-857636 20011102  
 AU 2003-202533 20030327  
 JP 2003-283316 20030731

L7 ANSWER 8 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN  
 CN 7-36-Glucagon-like peptide I (human), 8-(2-methylalanine)-26-[N6-[(4-dodecyl-1-piperazinyl)acetyl]-L-lysine]-34-L-arginine-35-(2-methylalanine)-36-L-argininamide- (9CI) (CA INDEX NAME)  
 RN 275822-99-6 REGISTRY

REFERENCE 1

ACCESSION NUMBER: 133:43815 CA  
 TITLE: Preparation of glucagon-like peptide-1 (GLP-1) analogs  
 INVENTOR(S): Dong, Zheng Xin  
 PATENT ASSIGNEE(S): Societe de Conseils de Recherches et d'Applications Scientifiques S.A., Fr.  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 2000034331   | A2   | 20000615 | WO 1999-EP9660  | 19991207 |
| WO 2000034331   | A3   | 20001116 |                 |          |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW |      |          |                 |          |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
| CA 2353574  | AA   | 20000615 | CA 1999-2353574 | 19991207 |
| BR 9915961  | A    | 20010821 | BR 1999-15961   | 19991207 |
| EP 1137667  | A2   | 20011004 | EP 1999-963437  | 19991207 |
| EP 1137667  | B1   | 20041117 |                 |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI   |      |          |                 |          |
| JP 2002531578   | T2   | 20020924 | JP 2000-586773  | 19991207 |
| JP 3702181  | B2   | 20051005 |                 |          |
| AU 762012   | B2   | 20030619 | AU 2000-19736   | 19991207 |
| RU 2214418  | C2   | 20031020 | RU 2001-118855  | 19991207 |
| EP 1359159  | A2   | 20031105 | EP 2003-76490   | 19991207 |
| EP 1359159  | A3   | 20040721 |                 |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY   |      |          |                 |          |
| NZ 511931   | A    | 20040130 | NZ 1999-511931  | 19991207 |
| ZA 200304047  | A    | 20040203 | ZA 2003-4047    | 19991207 |

|                        |    |          |                            |          |
|------------------------|----|----------|----------------------------|----------|
| CN 1495198             | A  | 20040512 | CN 2003-200313671219991207 |          |
| CZ 294029              | B6 | 20040915 | CZ 2001-1748               | 19991207 |
| AT 282635              | E  | 20041215 | AT 1999-963437             | 19991207 |
| NZ 527241              | A  | 20041224 | NZ 1999-527241             | 19991207 |
| PT 1137667             | T  | 20050228 | PT 1999-963437             | 19991207 |
| ES 2230912             | T3 | 20050501 | ES 1999-963437             | 19991207 |
| CZ 295044              | B6 | 20050518 | CZ 2003-1289               | 19991207 |
| PL 189664              | B1 | 20050930 | PL 1999-362031             | 19991207 |
| CZ 295768              | B6 | 20051012 | CZ 2004-573                | 19991207 |
| CZ 295889              | B6 | 20051116 | CZ 2004-572                | 19991207 |
| CZ 295890              | B6 | 20051116 | CZ 2004-591                | 19991207 |
| CZ 295891              | B6 | 20051116 | CZ 2004-592                | 19991207 |
| TW 593338              | B  | 20040621 | TW 1999-88121401           | 20000306 |
| ZA 2001004478          | A  | 20031201 | ZA 2001-4478               | 20010531 |
| NO 2001002786          | A  | 20010720 | NO 2001-2786               | 20010606 |
| US 6903186             | B1 | 20050607 | US 2001-857636             | 20011102 |
| HK 1037196             | A1 | 20050324 | HK 2001-107772             | 20011106 |
| NO 2003002093          | A  | 20010720 | NO 2003-2093               | 20030509 |
| US 2004018981          | A1 | 20040129 | US 2003-629261             | 20030728 |
| JP 2004131473          | A2 | 20040430 | JP 2003-283316             | 20030731 |
| JP 2005132845          | A2 | 20050526 | JP 2004-363831             | 20041216 |
| US 2005233969          | A1 | 20051020 | US 2005-145782             | 20050606 |
| AU 2005203169          | A1 | 20050811 | AU 2005-203169             | 20050721 |
| JP 2006151988          | A2 | 20060615 | JP 2005-374822             | 20051227 |
| PRIORITY APPLN. INFO.: |    |          | US 1998-111255P            | 19981207 |
|                        |    |          | US 1998-206601             | 19981207 |
|                        |    |          | EP 1999-963437             | 19991207 |
|                        |    |          | JP 2000-586773             | 19991207 |
|                        |    |          | WO 1999-EP9660             | 19991207 |
|                        |    |          | US 2001-857636             | 20011102 |
|                        |    |          | AU 2003-202533             | 20030327 |
|                        |    |          | JP 2003-283316             | 20030731 |

L7 ANSWER 9 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN  
 CN 7-36-Glucagon-like peptide I (human), 8-(2-methylalanine)-26-L-arginine-34-[N6-(dodecylsulfonyl)-L-lysine]-35-(2-methylalanine)-36-L-argininamide- (9CI) (CA INDEX NAME)  
 RN 275820-96-7 REGISTRY

# REFERENCE 1

ACCESSION NUMBER: 133:43815 CA  
 TITLE: Preparation of glucagon-like peptide-1 (GLP-1) analogs  
 INVENTOR(S): Dong, Zheng Xin  
 PATENT ASSIGNEE(S): Societe de Conseils de Recherches et d'Applications Scientifiques S.A., Fr.  
 SOURCE: PCT Int. Appl., 64 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 2000034331   | A2   | 20000615 | WO 1999-EP9660  | 19991207 |
| WO 2000034331   | A3   | 20001116 |                 |          |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW |      |          |                 |          |
| RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,   |      |          |                 |          |

CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

|   |    |          |                    |          |
|---|----|----------|--------------------|----------|
| CA 2353574  | AA | 20000615 | CA 1999-2353574    | 19991207 |
| BR 9915961  | A  | 20010821 | BR 1999-15961      | 19991207 |
| EP 1137667  | A2 | 20011004 | EP 1999-963437     | 19991207 |
| EP 1137667  | B1 | 20041117 |                    |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI     |    |          |                    |          |
| JP 2002531578   | T2 | 20020924 | JP 2000-586773     | 19991207 |
| JP 3702181  | B2 | 20051005 |                    |          |
| AU 762012   | B2 | 20030619 | AU 2000-19736      | 19991207 |
| RU 2214418  | C2 | 20031020 | RU 2001-118855     | 19991207 |
| EP 1359159  | A2 | 20031105 | EP 2003-76490      | 19991207 |
| EP 1359159  | A3 | 20040721 |                    |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY |    |          |                    |          |
| NZ 511931   | A  | 20040130 | NZ 1999-511931     | 19991207 |
| ZA 200304047  | A  | 20040203 | ZA 2003-4047       | 19991207 |
| CN 1495198  | A  | 20040512 | CN 2003-2003136712 | 19991207 |
| CZ 294029   | B6 | 20040915 | CZ 2001-1748       | 19991207 |
| AT 282635   | E  | 20041215 | AT 1999-963437     | 19991207 |
| NZ 527241   | A  | 20041224 | NZ 1999-527241     | 19991207 |
| PT 1137667  | T  | 20050228 | PT 1999-963437     | 19991207 |
| ES 2230912  | T3 | 20050501 | ES 1999-963437     | 19991207 |
| CZ 295044   | B6 | 20050518 | CZ 2003-1289       | 19991207 |
| PL 189664   | B1 | 20050930 | PL 1999-362031     | 19991207 |
| CZ 295768   | B6 | 20051012 | CZ 2004-573        | 19991207 |
| CZ 295889   | B6 | 20051116 | CZ 2004-572        | 19991207 |
| CZ 295890   | B6 | 20051116 | CZ 2004-591        | 19991207 |
| CZ 295891   | B6 | 20051116 | CZ 2004-592        | 19991207 |
| TW 593338   | B  | 20040621 | TW 1999-88121401   | 20000306 |
| ZA 2001004478   | A  | 20031201 | ZA 2001-4478       | 20010531 |
| NO 2001002786   | A  | 20010720 | NO 2001-2786       | 20010606 |
| US 6903186  | B1 | 20050607 | US 2001-857636     | 20011102 |
| HK 1037196  | A1 | 20050324 | HK 2001-107772     | 20011106 |
| NO 2003002093   | A  | 20010720 | NO 2003-2093       | 20030509 |
| US 2004018981   | A1 | 20040129 | US 2003-629261     | 20030728 |
| JP 2004131473   | A2 | 20040430 | JP 2003-283316     | 20030731 |
| JP 2005132845   | A2 | 20050526 | JP 2004-363831     | 20041216 |
| US 2005233969   | A1 | 20051020 | US 2005-145782     | 20050606 |
| AU 2005203169   | A1 | 20050811 | AU 2005-203169     | 20050721 |
| JP 2006151988   | A2 | 20060615 | JP 2005-374822     | 20051227 |
| PRIORITY APPLN. INFO.:  |    |          |                    |          |
|   |    |          | US 1998-111255P    | 19981207 |
|   |    |          | US 1998-206601     | 19981207 |
|   |    |          | EP 1999-963437     | 19991207 |
|   |    |          | JP 2000-586773     | 19991207 |
|   |    |          | WO 1999-EP9660     | 19991207 |
|   |    |          | US 2001-857636     | 20011102 |
|   |    |          | AU 2003-202533     | 20030327 |
|   |    |          | JP 2003-283316     | 20030731 |

L7 ANSWER 10 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN  
 CN 7-36-Glucagon-like peptide I (human), 8-(2-methylalanine)-26-[N6-(dodecylsulfonyl)-L-lysine]-34-L-arginine-35-(2-methylalanine)-36-L-argininamide- (9CI) (CA INDEX NAME)  
 RN 275820-94-5 REGISTRY

REFERENCE 1

ACCESSION NUMBER: 133:43815 CA  
 TITLE: Preparation of glucagon-like peptide-1 (GLP-1) analogs  
 INVENTOR(S): Dong, Zheng Xin  
 PATENT ASSIGNEE(S): Societe de Conseils de Recherches et d'Applications Scientifiques S.A., Fr.  
 SOURCE: PCT Int. Appl., 64 pp.

DOCUMENT TYPE:                   CODEN: PIXXD2  
 LANGUAGE:                       Patent  
 FAMILY ACC. NUM. COUNT: 2       English  
 PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO.     | DATE     |
|---|------|----------|---------------------|----------|
| WO 2000034331   | A2   | 20000615 | WO 1999-EP9660      | 19991207 |
| WO 2000034331   | A3   | 20001116 |                     |          |
| W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ,<br>DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN,<br>IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG,<br>MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,<br>TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW<br>RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,<br>DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,<br>CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG |      |          |                     |          |
| CA 2353574  | AA   | 20000615 | CA 1999-2353574     | 19991207 |
| BR 9915961  | A    | 20010821 | BR 1999-15961       | 19991207 |
| EP 1137667  | A2   | 20011004 | EP 1999-963437      | 19991207 |
| EP 1137667  | B1   | 20041117 |                     |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, FI  |      |          |                     |          |
| JP 2002531578   | T2   | 20020924 | JP 2000-586773      | 19991207 |
| JP 3702181  | B2   | 20051005 |                     |          |
| AU 762012   | B2   | 20030619 | AU 2000-19736       | 19991207 |
| RU 2214418  | C2   | 20031020 | RU 2001-118855      | 19991207 |
| EP 1359159  | A2   | 20031105 | EP 2003-76490       | 19991207 |
| EP 1359159  | A3   | 20040721 |                     |          |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,<br>IE, FI, CY  |      |          |                     |          |
| NZ 511931   | A    | 20040130 | NZ 1999-511931      | 19991207 |
| ZA 200304047  | A    | 20040203 | ZA 2003-4047        | 19991207 |
| CN 1495198  | A    | 20040512 | CN 2003-20031367121 | 19991207 |
| CZ 294029   | B6   | 20040915 | CZ 2001-1748        | 19991207 |
| AT 282635   | E    | 20041215 | AT 1999-963437      | 19991207 |
| NZ 527241   | A    | 20041224 | NZ 1999-527241      | 19991207 |
| PT 1137667  | T    | 20050228 | PT 1999-963437      | 19991207 |
| ES 2230912  | T3   | 20050501 | ES 1999-963437      | 19991207 |
| CZ 295044   | B6   | 20050518 | CZ 2003-1289        | 19991207 |
| PL 189664   | B1   | 20050930 | PL 1999-362031      | 19991207 |
| CZ 295768   | B6   | 20051012 | CZ 2004-573         | 19991207 |
| CZ 295889   | B6   | 20051116 | CZ 2004-572         | 19991207 |
| CZ 295890   | B6   | 20051116 | CZ 2004-591         | 19991207 |
| CZ 295891   | B6   | 20051116 | CZ 2004-592         | 19991207 |
| TW 593338   | B    | 20040621 | TW 1999-88121401    | 20000306 |
| ZA 2001004478   | A    | 20031201 | ZA 2001-4478        | 20010531 |
| NO 2001002786   | A    | 20010720 | NO 2001-2786        | 20010606 |
| US 6903186  | B1   | 20050607 | US 2001-857636      | 20011102 |
| HK 1037196  | A1   | 20050324 | HK 2001-107772      | 20011106 |
| NO 2003002093   | A    | 20010720 | NO 2003-2093        | 20030509 |
| US 2004018981   | A1   | 20040129 | US 2003-629261      | 20030728 |
| JP 2004131473   | A2   | 20040430 | JP 2003-283316      | 20030731 |
| JP 2005132845   | A2   | 20050526 | JP 2004-363831      | 20041216 |
| US 2005233969   | A1   | 20051020 | US 2005-145782      | 20050606 |
| AU 2005203169   | A1   | 20050811 | AU 2005-203169      | 20050721 |
| JP 2006151988   | A2   | 20060615 | JP 2005-374822      | 20051227 |
| PRIORITY APPLN. INFO.:  |      |          |                     |          |
|   |      |          | US 1998-111255P     | 19981207 |
|   |      |          | US 1998-206601      | 19981207 |
|   |      |          | EP 1999-963437      | 19991207 |
|   |      |          | JP 2000-586773      | 19991207 |
|   |      |          | WO 1999-EP9660      | 19991207 |
|   |      |          | US 2001-857636      | 20011102 |

AU 2003-202533 20030327  
JP 2003-283316 20030731

L7 ANSWER 11 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN  
CN L-Tryptophan, 1-(12-carboxy-1-oxododecyl)-L-prolyl-L-glutaminyl-L-  
isoleucyl-L-threonyl-L-leucyl-, (1→1')-amide with  
L-seryl-L-threonyl-L-leucyl-L-asparaginyl-L-phenylalanine (9CI) (CA  
INDEX NAME)  
RN 191092-30-5 REGISTRY

REFERENCE 1

ACCESSION NUMBER: 130:62859 CA  
TITLE: Inhibiting the dimerization of HIV-1 protease  
AUTHOR(S): Zutshi, Reena; Shultz, Michael D.; Ulysse, Luckner;  
Lutgring, Ray; Bishop, Patricia; Schweitzer, Barbara;  
Vogel, Karen; Franciskovich, Jeff; Wilson, Matt;  
Chmielewski, Jean  
CORPORATE SOURCE: Department Chemistry, Purdue University, West  
Lafayette, IN, 47907, USA  
SOURCE: Synlett (1998), (10), 1040-1044  
CODEN: SYNLES; ISSN: 0936-5214  
PUBLISHER: Georg Thieme Verlag  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

REFERENCE 2

ACCESSION NUMBER: 127:44441 CA  
TITLE: Targeting the Dimerization Interface of HIV-1  
Protease: Inhibition with Cross-Linked Interfacial  
Peptides  
AUTHOR(S): Zutshi, Reena; Franciskovich, Jeff; Shultz, Michael;  
Schweitzer, Barbara; Bishop, Patricia; Wilson, Matt;  
Chmielewski, Jean  
CORPORATE SOURCE: Department of Chemistry, Purdue University West  
Lafayette, Indiana, IN, 47907, USA  
SOURCE: Journal of the American Chemical Society (1997),  
119(21), 4841-4845  
CODEN: JACSAT; ISSN: 0002-7863  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 12 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN  
CN β-Alanine, N'-(carboxymethyl)-N-dodecyl-2-hydroxy-N,N'-  
ethylenedi-, trisodium salt, compd. with N,N-bis(2-hydroxyethyl)oleamide  
sulfate (6CI) (CA INDEX NAME)  
RN 122218-33-1 REGISTRY

L7 ANSWER 13 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN  
CN α1-13-Corticotropin, N-[12-[[5-(hexahydro-2-oxo-1H-thieno[3,4-  
d]imidazol-4-yl)-1-oxopentyl]amino]-1-oxododecyl]-4-L-norleucine-7-D-  
phenylalanine-13-L-valinamide-, [3aS-(3αα,4β,6αα)]-  
(9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1H-Thieno[3,4-d]imidazole, α1-13-corticotropin deriv.  
RN 91311-00-1 REGISTRY

REFERENCE 1

ACCESSION NUMBER: 101:192448 CA  
TITLE: Synthesis and biological actions of highly potent and prolonged acting biotin-labeled melanotropins  
AUTHOR(S): Chaturvedi, Dharendra N.; Knittel, James J.; Hruby, Victor J.; Castrucci, Ana Maria de L.; Hadley, Mac E.  
CORPORATE SOURCE: Dep. Chem., Univ. Arizona, Tucson, AZ, 85721, USA  
SOURCE: Journal of Medicinal Chemistry (1984), 27(11), 1406-10  
CODEN: JMCMAR; ISSN: 0022-2623  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L7 ANSWER 14 OF 14 REGISTRY COPYRIGHT 2006 ACS on STN  
CN  $\beta$ -Alanine, N-(2-hydroxyethyl)-N-[2-[(1-oxododecyl)amino]ethyl]-(9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN N-[N-(Carboxyethyl)-N'-(2-hydroxyethyl)aminoethyl] laurylamide  
RN 64265-46-9 REGISTRY

REFERENCE 1

ACCESSION NUMBER: 138:275992 CA  
TITLE: Skin-mild cleanser composition with good sudsing power  
INVENTOR(S): Suzuki, Shigeru  
PATENT ASSIGNEE(S): Tsumura and Co., Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.             | KIND | DATE     | APPLICATION NO. | DATE     |
|------------------------|------|----------|-----------------|----------|
| JP 2003096492          | A2   | 20030403 | JP 2001-294871  | 20010926 |
| PRIORITY APPLN. INFO.: |      |          | JP 2001-294871  | 20010926 |

REFERENCE 2

ACCESSION NUMBER: 126:306570 CA  
TITLE: Polyoxypropylene fatty acid alkanolamide sulfate ester salt mixtures, manufacture thereof, and detergent compositions containing the same with good mildness to skin and hair  
INVENTOR(S): Fujii, Tamotsu; Shiroichi, Akiko; Usuba, Kyoken  
PATENT ASSIGNEE(S): Kawaken Fine Chemicals Co, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 35 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.             | KIND | DATE     | APPLICATION NO. | DATE     |
|------------------------|------|----------|-----------------|----------|
| JP 09067333            | A2   | 19970311 | JP 1995-221688  | 19950830 |
| PRIORITY APPLN. INFO.: |      |          | JP 1995-221688  | 19950830 |

REFERENCE 3

ACCESSION NUMBER: 122:150332 CA  
TITLE: Color reaction of iron(III) with o-nitrophenylfluorone-CEHEAELA-Brij-35  
AUTHOR(S): Chen, Tongsen; Liang, Benxi; He, Bo; Cao, Zhixiang



CORPORATE SOURCE: Dep. Chem. Chem. Eng., Hunan Univ., Changsha, Peop.  
Rep. China  
SOURCE: Hunan Daxue Xuebao, Ziran Kexueban (1994), 21(3), 41-6  
CODEN: HDAXE3; ISSN: 1000-2472  
DOCUMENT TYPE: Journal  
LANGUAGE: Chinese

REFERENCE 4

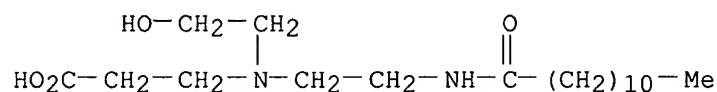
ACCESSION NUMBER: 94:214947 CA  
TITLE: Inverters for Separan mannich quat emulsion polymers  
AUTHOR(S): Anon.  
CORPORATE SOURCE: UK  
SOURCE: Research Disclosure (1981), 204, 143-4 (No. 20415)  
CODEN: RSDSBB; ISSN: 0374-4353  
DOCUMENT TYPE: Journal; Patent  
LANGUAGE: English  
PATENT INFORMATION:

| PATENT NO.             | KIND | DATE     | APPLICATION NO. | DATE     |
|------------------------|------|----------|-----------------|----------|
| RD 204015              |      | 19810410 |                 |          |
| PRIORITY APPLN. INFO.: |      |          | RD 1981-204015  | 19810410 |

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L8 1 64265-46-9  
(64265-46-9/RN)

=> d str cn L8

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

CN  $\beta$ -Alanine, N-(2-hydroxyethyl)-N-[2-[(1-oxododecyl)amino]ethyl]- (9CI)  
(CA INDEX NAME)

OTHER NAMES:

CN N-[N-(Carboxyethyl)-N'-(2-hydroxyethyl)aminoethyl] laurylamide

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

90.31

90.52

FILE 'CAPLUS' ENTERED AT 11:56:03 ON 04 OCT 2006

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=> file caplus medline embase medline biosis  
COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 0.46       | 90.98   |

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 11:56:20 ON 04 OCT 2006  
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=> s L4 or alanine dodecylamide  
L9 6 L4 OR ALANINE DODECYLAMIDE

=> s 64265-46-9  
L10 4 64265-46-9

=> dup rem L9  
PROCESSING COMPLETED FOR L9  
L11 6 DUP REM L9 (0 DUPLICATES REMOVED)

=> d 1-6 L9 ibib abs

L9 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2003:93135 CAPLUS  
DOCUMENT NUMBER: 138:138871  
TITLE: Use of hydrophobically modified oligopeptides as thickening agents  
INVENTOR(S): Edelman, Dirk  
PATENT ASSIGNEE(S): Germany  
SOURCE: Ger. Offen., 6 pp.  
CODEN: GWXXBX  
DOCUMENT TYPE: Patent  
LANGUAGE: German  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.             | KIND  | DATE       | APPLICATION NO.  | DATE     |
|------------------------|---|------------|------------------|----------|
| DE 10136950            | A1  | 20030206   | DE 2001-10136950 | 20010728 |
| PRIORITY APPLN. INFO.: |   |            | DE 2001-10136950 | 20010728 |
| OTHER SOURCE(S):       | MARPAT  | 138:138871 |                  |          |
| AB                     | Hydrophobically modified oligopeptides R2NH(COCR3R4NHCOCR5R6NH)nCOZR1 [R1, R2 = H, C6-24 alkyl, C5-10 cycloalkyl, aryl; R1 ≠ R2 = H; R3-R6 = H, |            |                  |          |

Me, Et, Me2CH, Bu, Me2CHCH2 (with provisos); Z = O, NH, CH2; n = 1-10, preferably 1 or 2], thickening agents that can be used as self-standing additives in water-thinned coatings, plasters, pastes, cosmetic prepsns. or similar systems, as opposed to the com. associatively working urethane-containing thickeners that require pre-dilution in H2O and/or solvents,

or preliminary emulsification. For example, a glossy coating composition comprising AMP 90 2.5, Borchigen ND (25% in H2O) 27.2, Borchigen DFN 5.0, defoamer (Neocryl AP 2860) 3.2, TiO2 225.0, methoxybutanol 17.0, propylene glycol 17.0, Bu diglycol 7.0, H2O 44.7, NeoCryl XK-62 540.0, H2O 110.0 and N-stearylureido-L-alanyl-L-alanine dodecylamide thickener 2.0 g had viscosity 35,000 mPa.s, vs. 20,000 mPa.s for similar dispersion containing 8.0 g Borchigel L 75N as thickener.

L9 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2002:928251 CAPLUS  
DOCUMENT NUMBER: 138:341  
TITLE: D-serine transport antagonist for treating psychosis  
INVENTOR(S): Javitt, Daniel  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S. Pat. Appl. Publ., 10 pp., Cont.-in-part of U.S. 6,361,957.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 5  
PATENT INFORMATION:

| PATENT NO.             | KIND | DATE     | APPLICATION NO. | DATE        |
|------------------------|------|----------|-----------------|-------------|
| US 2002183390          | A1   | 20021205 | US 2002-66657   | 20020206    |
| US 6361957             | B1   | 20020326 | US 1999-365889  | 19990803    |
| US 2005159488          | A1   | 20050721 | US 2005-80551   | 20050316    |
| PRIORITY APPLN. INFO.: |      |          | US 1999-365889  | A2 19990803 |
|                        |      |          | US 2002-66657   | A3 20020206 |

AB The invention discusses method and composition for augmenting NMDA receptor mediated neurotransmission involving use of a D-serine transport inhibitor. These compns. can be made use of in treating neuropsychiatric disorders.

L9 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1966:76167 CAPLUS  
DOCUMENT NUMBER: 64:76167  
ORIGINAL REFERENCE NO.: 64:14299c-f  
TITLE: Long-chain alkyl amides of water-soluble poly- $\alpha$ -amino acids. III. The association of poly(DL.-alanine dodecylamides) in aqueous solution  
AUTHOR(S): Ikeda, Shoichi; Maekawa, Masakazu; Isemura, Toshizo  
CORPORATE SOURCE: Univ. Osaka  
SOURCE: Bulletin of the Chemical Society of Japan (1966), 39(1), 105-12  
CODEN: BCSJA8; ISSN: 0009-2673  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB cf. CA 57, 15329h. Poly(DL-alanine dodecylamide) (I) was synthesized by polymerization of N-carboxy-DL-alanine anhydride (II) with dodecylamine (III) in dioxane (CA 57, 4786g). Molar ratios of II to III were varied from 5 to 20 to afford samples with differing d.p. The micellar properties of I in sq. HCl (pH 2) were investigated by measurement of viscosity, sedimentation, and flow birefringence. Polymers with a II/III ratio of 5 had a critical micelle concentration of 0.2-0.3 g.

dl.-1

The micellar mol. weight of this material, determined by the Archibald method (CA

42, 16d) showed that the micelle contained about 13 polymer mols. The mols. within the micelle are H-bonded to form a structure similar to the  $\beta$ -conformation assumed by I in the solid state. Micellar mol. wts. were deduced from sedimentation and viscosity data for materials prepared with a II/III ratio of 15 and 20, and the result indicated association nos. of 240 and 320, resp., for these polymers. Hydrophobic bonds between dodecyl groups are an important factor in the cohesion of these micelles, but intermol. H-bonding between peptide groups is also effective since the micellar size of I is very much greater than that of poly((oxyethylene) derivs. of similar mol. weight. The structure of the micelles seems to be a disordered one, composed of randomly coiled monomer mols. Preps. with a II/III ratio of 10 were unstable in sq. solution. This instability is attributed to the presence of 2 kinds of I micelles, the low-mol.-weight form with an association number of 13 and the high-mol.-weight form with an association number of a few hundred.

L9 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1963:435968 CAPLUS  
DOCUMENT NUMBER: 59:35968  
ORIGINAL REFERENCE NO.: 59:6528c-f  
TITLE: Condensation and expansion of polypeptide monolayers.  
I. Monolayers of poly-DL-alanine  
AUTHOR(S): Ikeda, Shoichi  
CORPORATE SOURCE: Univ. Osaka, Japan  
SOURCE: Ann. Rep. Sci. Works, Fac. Sci., Osaka Univ. (1962),  
10, 13-22  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

AB Poly(DL-alanine dodecylamide) (I) was prepared by polymerizing N-carboxy-DL-alanine anhydride, with dodecylamine initiation at various molar ratios in dioxane giving number average degree of polymerization of 5-20. Poly-DL-alanine (II) was similarly prepared with Et<sub>3</sub>N initiation. Surface films were obtained by spreading from HCO<sub>2</sub>H-iso-PrOH-H<sub>2</sub>O (1: 2: 7) solution. Infrared data from I and II in solid films cast from HCO<sub>2</sub>H solution suggest that the  $\beta$ -configuration is predominant in low-mol. weight, and random coiling in higher-mol.-weight polymers. Surface pressure-area curves of I and II suggest that they form condensed films. The limiting area increases as the degree of polymerization increases, tending to approach that of II, 14 A.<sup>2</sup> per residue. The formation of condensed films is irresp. of the degree of polymerization. Data on surface pressure, potential, and moment indicate that II in monolayers have DL-alanyl residues on a surface in a  $\beta$ -configuration, such that the Me groups are directed upwards and the CO<sub>2</sub>H groups downwards into the aqueous phase. The surface viscosity is high at an area where surface pressure is still very low; this is characteristic of condensed monolayers. Monolayers of poly( $\alpha$ -amino-DL-caproic, caprylic, capric, and lauric acids), poly(DL-phenylalanine), poly-DL-leucine, poly( $\gamma$ -benzyl L-glutamate), and poly( $\epsilon$ -carbobenzoxyl-L-lysine) all belong to a condensed type, in spite of the hydrophilic nature of the side chains in some of them. Copoly-1:2:1 (L-lysine, L-leucine, L-glutamic acid) and copoly-1:3:1 (DL-lysine, DL-phenylalanine, DL-glutamic acid) give condensed monolayers at pH 7, but give expanded monolayers at either side of this pH, caused by the electrostatic repulsion between ionized groups and consequent breaking of H bonds. The condensation of II monolayers is not due to the intrinsic rigidity of polypeptide main chain or to hydrophobic cohesion between side chains, but is ascribed to the H bonding between peptide groups or between side chains.

L9 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1962:476764 CAPLUS  
DOCUMENT NUMBER: 57:76764  
ORIGINAL REFERENCE NO.: 57:15329h-i, 15330a-c

TITLE: Long-chain allryl amides of water-sol,  
poly- $\alpha$ -amino acids. II. Infrared spectra of  
poly(DL-alanine dodecylamide)  
AUTHOR(S): Ikeda, Shoichi; Isemura, Toshizo  
CORPORATE SOURCE: Univ. Osaka  
SOURCE: Bulletin of the Chemical Society of Japan (1962), 35,  
1523-31  
CODEN: BCSJA8; ISSN: 0009-2673

DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

AB cf. CA 57, 4786g. The infrared spectra of poly-DL-alanine (I) and  
poly(DL-alanine dodecylamide) (II) were measured on  
cast films from various solns. and their structures were elucidated mainly  
from the location and intensity of absorptions of the amide I and III  
bands. The polymer had an absorption at 1661  $\text{cm}^{-1}$  in the amide I band if  
it was in the random-coil form, but it had 2 absorptions at 1630 and 1690  
 $\text{cm}^{-1}$  if it was in the antiparallel  $\beta$ -form. While the amide III band  
was located at 1244  $\text{cm}^{-1}$  irresp. of the polymer conformation, the band  
had an addnl. absorption at 1222  $\text{cm}^{-1}$  for the  $\beta$ -conformation. From  
the above correlation of the spectra with the polymer conformation, it was  
found that I and II prepared with high anhydride [A]: initiator [II mole  
ratios are in the random-coil form but that II of [A]:[I] ratios <30:1 is  
composed of both the random-coil and the anti-parallel  $\beta$ -forms when  
it is regenerated from  $\text{HCO}_2\text{H}$  solution II contained a greater amount of the  
 $\beta$ -form as the [A]:[I] ratio or the degree of polymerization became  
lower. The preparation of 1:5 [A]:[I] ratio was mostly in the  $\beta$ -form. In  
the ionized II obtained from aqueous  $\text{HCl}$  solution, the portion of the  
random-coil  
form increased relative to that in the non-ionized II obtained from  $\text{HCO}_2\text{H}$   
solution and the effect of the ionization was enhanced for the lower ratio  
[A]:[I] prepns. I and II in  $\text{HCO}_2\text{H}$  or aqueous  $\text{HCl}$  solution underwent a partial  
transformation from the random-coil to the  $\beta$ -form during aging of the  
concentrated solution, which accompanied gelation. The solution of the lowest  
[A]:[I]  
ratio did not gel. In the state regenerated from gel, I and II, except  
for the non-ionized lower [A]:[I] ratio prepns., had an increased amount of  
the  $\beta$ -form as compared with that from an initial fluid solution. In the  
lower [A]:[I] ratio prepns. obtained from  $\text{HCO}_2\text{H}$  solution, the reverse  
transformation apparently occurred when the films cast before and after  
the gelation were compared.

L9 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1962:423611 CAPLUS  
DOCUMENT NUMBER: 57:23611  
ORIGINAL REFERENCE NO.: 57:4786g-i,4787a  
TITLE: Long-chain alkyl amides of water-soluble polyamino  
acids. I. Amphipathic [surface-active] properties of  
poly(DL-alanine dodecylamide)  
AUTHOR(S): Isemura, Toshizo; Ikeda, Shoichi; Tokiwa, Fumikatsu;  
Noguchi, Junzo  
CORPORATE SOURCE: Osaka Univ.  
SOURCE: Bulletin of the Chemical Society of Japan (1961), 34,  
1236-42  
CODEN: BCSJA8; ISSN: 0009-2673  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

AB Poly[DL-alanine (I) alkylamide] was prepared by the polymerization of  
N-carboxy-DL-alanine anhydride initiated with alkyl amines at different  
anhydride-initiator ratios ([A]/[I]). The amphipathic properties of I  
dodecylamide (II) with [A]/[I] = 5 to 20 were investigated in comparison  
with I. The degree of polymerization of I can be easily controlled by the  
initial [A]/[I] ratio. The number average degree of polymerization ( $\bar{x}$ ) equal  
or  
nearly equal to [A]/[I]. The solubility of II in  $\text{H}_2\text{O}$  is higher as  $\bar{x}$  increases,

and II with  $x > 17$  is completely soluble II with any  $x$  value is soluble in aqueous acid solns.; pH is  $< 5.5$ . The titration curve with aqueous acid solns. shows a break at this pH. The infrared spectra of II in the solid state indicate that II with higher  $x$  is almost in the random conformation and that the portion of the  $\beta$ -conformation increases as  $x$  becomes lower. The surface tension of II in aqueous acid solution exhibits typical characteristics of amphipathic substances. The degree of surface-tension lowering at low concentration is the largest for II of  $x = 10$ . The surface film of II is of the condensed type, and the limiting area is larger as  $x$  increases. II with higher  $x$  becomes more spread as surface film, more DL-alanyl residue being on the aqueous surface.

=> d 1-4 L10 ibib abs

L10 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2003:258173 CAPLUS  
 DOCUMENT NUMBER: 138:275992  
 TITLE: Skin-mild cleanser composition with good sudsing power  
 INVENTOR(S): Suzuki, Shigeru  
 PATENT ASSIGNEE(S): Tsumura and Co., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND | DATE     | APPLICATION NO. | DATE     |
|------------------------|------|----------|-----------------|----------|
| JP 2003096492          | A2   | 20030403 | JP 2001-294871  | 20010926 |
| PRIORITY APPLN. INFO.: |      |          | JP 2001-294871  | 20010926 |

AB The composition especially useful baby or sensitive skin contains glycyrrhizin, its salts and/or licorice extract and is filled in a non-aerosol type pump foamer. A composition filled in a non-aerosol type pump foamer contained glycyrrhizin 0.1, N-coco fatty acid acyl glutamate TEA salt 10, 1,3-butylene glycol 5, Me paraben 0.2, citric acid 0.5, rosemary oil 0.1, Na alginate 0.3, and water the balance, imparting good sudsing power and no skin irritation.

L10 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1997:334666 CAPLUS  
 DOCUMENT NUMBER: 126:306570  
 TITLE: Polyoxypropylene fatty acid alkanolamide sulfate ester salt mixtures, manufacture thereof, and detergent compositions containing the same with good mildness to skin and hair  
 INVENTOR(S): Fujii, Tamotsu; Shiroichi, Akiko; Usuba, Kyoken  
 PATENT ASSIGNEE(S): Kawaken Fine Chemicals Co, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 35 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND | DATE     | APPLICATION NO. | DATE     |
|------------------------|------|----------|-----------------|----------|
| JP 09067333            | A2   | 19970311 | JP 1995-221688  | 19950830 |
| PRIORITY APPLN. INFO.: |      |          | JP 1995-221688  | 19950830 |

AB The title mixts. have the general formula  $[RCONH(CH_2CH_2O)_x(C_2H_4O)_y(C_3H_6O)_z]$

SO<sub>3</sub>]mM1 (R = C7-21 hydrocarbyl; x = 1, 2; yr, z = 0, 1; M1 = alkali metal, alkaline earth metal, ammonium, alkanolamine, basic amino acid residue; m = valency of M1). Me laurate was treated with monoethanolamine, and the resulting amide was propoxylated, sulfonated with chlorosulfonic acid, and neutralized with NaOH to obtain a propoxylated monoethanolamine lauramide sulfate sodium salt mixture giving a 20% aqueous solution with good foaming power, detergency, pH stability, etc.

L10 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1995:41069 CAPLUS  
DOCUMENT NUMBER: 122:150332  
TITLE: Color reaction of iron(III) with o-nitrophenylfluorone-CEHEAELA-Brij-35  
AUTHOR(S): Chen, Tongsen; Liang, Benxi; He, Bo; Cao, Zhixiang  
CORPORATE SOURCE: Dep. Chem. Chem. Eng., Hunan Univ., Changsha, Peop. Rep. China  
SOURCE: Hunan Daxue Xuebao, Ziran Kexueban (1994), 21(3), 41-6  
CODEN: HDAXE3; ISSN: 1000-2472  
DOCUMENT TYPE: Journal  
LANGUAGE: Chinese

AB In the presence of new amphoteric surfactant N-[N-(carboxyethyl)-N'-(2-hydroxyethyl)aminoethyl] laurylamide (CEHEAELA) and Brij-35, the color reaction of iron(III) with o-nitrophenylfluorone (O-NPF) was studied. The orange complex with molar ratio of Fe:O-NPF to be 1:3 in the HOAc-NaOAc buffer medium with pH 6.0-9.0 and in the presence of CEHEAELA-Brig-35, has the apparent molar absorptivity of  $1.4 \times 10^5 \text{ L mol}^{-1} \text{ cm}^{-1}$  at 580 nm. Beer's law is obeyed for iron(III) in the range of 0-0.48  $\mu\text{g mL}^{-1}$ . The method was applied to the direct determination of trace iron(III) in the natural water, tap water, hair and aluminum alloys with satisfactory results.

L10 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1981:214947 CAPLUS  
DOCUMENT NUMBER: 94:214947  
TITLE: Inverters for Separan mannich quat emulsion polymers  
AUTHOR(S): Anon.  
CORPORATE SOURCE: UK  
SOURCE: Research Disclosure (1981), 204, 143-4 (No. 20415)  
CODEN: RSDSBB; ISSN: 0374-4353  
DOCUMENT TYPE: Journal; Patent  
LANGUAGE: English  
PATENT INFORMATION:

| PATENT NO. | KIND | DATE     | APPLICATION NO. | DATE  |
|------------|------|----------|-----------------|-------|
| -----      | ---- | -----    | -----           | ----- |
| RD 204015  |      | 19810410 |                 |       |

PRIORITY APPLN. INFO.: RD 1981-204015 19810410

AB The rate of inversion of a water-in-oil emulsion of a water-soluble cationic polymer to an aqueous solution (hard water) of the cationic polymer is accelerated by adding sufficient base or basic surfactant (e.g. an amide-amine betaine). Preferably, the pH is adjusted to 8.5-9. Amide-amine betaines are added in amts. ranging from 1 to 10 weight% (base on polymer). The aqueous solution of cationic polymer is an effective sludge dewatering agent.